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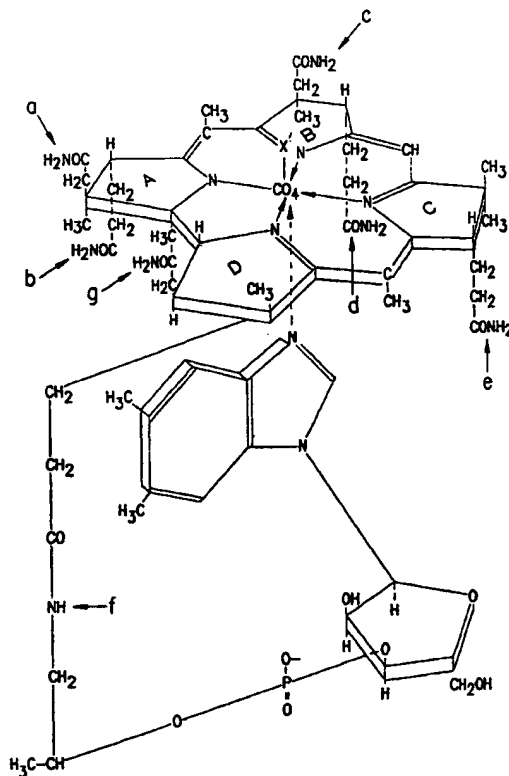
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[Continued on next page]

(54) Title: COBALAMIN CONJUGATES USEFUL AS ANTITUMOR AGENTS



[Continued on next page]

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(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(57) **Abstract:** The invention provides cobalamin compounds linked to a neutron capture therapy target (e.g. Boron-10 or Gadolinium-157), and optionally linked to a detectable moiety, as well as pharmaceutical compositions comprising the compounds, and methods for using the compounds in medical diagnosis and therapy.

PCT/US 00/10100

According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EMBASE, BIOSIS, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category :	Citation of document, with indication, where appropriate, of the relevant passages
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Relevant to claim No.

P.X HOGENKAMP, H. P. C. ET AL: "Synthesis and
characterization of nido-carborane-
cobalamin conjugates"
NUCL. MED. BIOL. (2000), 27(1), 89-92 ,
XP002148452
cited in the application
page 89, column 1, paragraphs 1,2; figures
1.2

1-74

E WO 00 45857 A (SCHERING AG)
10 August 2000 (2000-08-10)
claims

1-74

A WO 92 09160 A (TAU SYSTEMS CORP)
29 May 1992 (1992-05-29)
claims

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

² Special categories of cited documents :

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"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/10100

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 739 313 A (COLLINS DOUGLAS A ET AL) 14 April 1998 (1998-04-14) cited in the application column 3, line 44 - line 53; claims column 4, line 36 - line 40 ---	1
A	US 5 877 165 A (MIURA MICHIKO ET AL) 2 March 1999 (1999-03-02) claims -----	1-74

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claim(s) 70 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Although claims 69,71 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

INTERNATIONAL SEARCH REPORT

Information on patent family members

In. ational Application No

PCT/US 00/10100

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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